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Set	Items	Description
S1	2250824	COMPUTERI? OR AUTOMAT?? OR (REMOTE?? OR CENTRAL?? OR AUTOMATIC OR ELECTRONIC?)()CONTROL? OR ROBOT?? OR SERVO? ? OR SERVOMECH? OR PROGRAMMED OR CYBERNETIC? ?
S2	9009555	SENS?R? ? OR DETECT??? OR SENSE OR PERCEIV??? OR RECOGNI? - OR DISTINGUISH??? OR FIND???
S3	7769412	TARGET?? OR OBJECT??? OR GOAL? ? OR CENTER? ? OR FOCUS?? OR FOCI OR DESTINATION? ? OR AIM OR AIMS OR MARK? ?
S4	1533002	ANGLE? ? OR CORNER? ? OR PROJECTION? ? OR SALIENT? ?
S5	14528909	MEASUR? OR TRIANGULAT? OR GAUG??? OR MENSURAT??? OR CALCULAT??? OR COMPUTE OR SURVEY???
S6	248468	S2(5N)S3
S7	116768	S4(5N)S5
S8	10	S1(10N)(S6(10N)S7)
S9	6	S8 NOT PY>1999
S10	6	S9 NOT PD=19990116:20030630
S11	6	RD (unique items)

11/3,K/1 (Item 1 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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06129526 E.I. No: EIP02377086559

Title: **Sensor technology for soldier systems**

Author: Snow, P.R. JR. (Ed.); Randall, D.A. (Ed.)

Conference Title: Sensor Technology for Soldier Systems

Conference Location: Orlando, FL, United States Conference Date: 19980415-19980415

E.I. Conference No.: 59530

Source: Proceedings of SPIE - The International Society for Optical Engineering v 3394 1998. 87p

Publication Year: 1998

CODEN: PSISDG ISSN: 0277-786X

Language: English

Descriptors: Image sensors ; Automatic target recognition ; Sensor data fusion; Laser applications; Military equipment; Range finders; Angle measurement

11/3,K/2 (Item 2 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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06129518 E.I. No: EIP02377086550

Title: **An electronic compass and vertical angle measurement sensor - Applications and benefits to the soldier system**

Author: Roberts, Barry; Johnson, Angela; Belt, Ron; Platt, Bill

Corporate Source: Honeywell Sensor and Guidance Prod., Minneapolis, MN 55413, United States

Conference Title: Sensor Technology for Soldier Systems

Conference Location: Orlando, FL, United States Conference Date: 19980415-19980415

E.I. Conference No.: 59530

Source: Proceedings of SPIE - The International Society for Optical Engineering v 3394 1998. p 11-16

Publication Year: 1998

CODEN: PSISDG ISSN: 0277-786X

Language: English

Descriptors: Compasses (magnetic); Angle measurement ; Electronic equipment; Chemical sensors ; Automatic target recognition ; Helmet mounted displays; Guns (armament)

11/3,K/3 (Item 3 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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02033400 E.I. Monthly No: EI8610100197 E.I. Yearly No: EI86085371

Title: **REAL-TIME RANGE MEASUREMENT DEVICE FOR THREE-DIMENSIONAL OBJECT RECOGNITION.**

Author: Ozeki, Osamu; Nakano, Tomoaki; Yamamoto, Shin

Corporate Source: Toyota Central Research & Development Lab Inc, Aichi, Jpn

Source: IEEE Transactions on Pattern Analysis and Machine Intelligence v PAMI-8 n 4 Jul 1986 p 550-554

Publication Year: 1986

CODEN: ITPIDJ ISSN: 0162-8828

Language: ENGLISH

Identifiers: 3-D OBJECT RECOGNITION ; LIGHT-STRIPE PROJECTION ; AUTOMATIC SORTING; SHAPE MEASUREMENT

11/3,K/4 (Item 4 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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01493921 E.I. Monthly No: EI8403026039 E.I. Yearly No: EI84107720

Title: APPLICATION OF THREE-DIMENSIONAL VISION SYSTEMS TO INDUSTRIAL ROBOTIC MANUFACTURING AND INSPECTION OPERATIONS.

Author: Levine, Seymour S.

Corporate Source: Robotic Vision Systems Inc, Melville, NY, USA

Source: SAMPE Quarterly v 15 n 1 Oct 1983 p 1-5

Publication Year: 1983

CODEN: SAMQA2 ISSN: 0036-0821

Language: ENGLISH

Abstract: An automated vision sensor system uses structured light projection and optical triangulation techniques to digitize the surface of a 3-D object viewed by the sensor. The system is being applied in a number of turnkey automated inspection and robotic manufacturing systems, including an automated adaptive robotic welding system.

11/3,K/5 (Item 1 from file: 94)

DIALOG(R)File 94: JICST-EPlus

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04507000 JICST ACCESSION NUMBER: 00A0006792 FILE SEGMENT: JICST-E

Possibility of Detecting the Shape of a Reflecting Object. A mobile robot sonar ring sensor system measuring the bearing angle to the reflecting point. The 6th rep.

YATA TERUKO (1); OYA AKIHISA (1); YUTA SHIN'ICHI (1)

(1) Univ. of Tsukuba

Nippon Robotto Gakkai Gakujutsu Koenkai Yokoshu, 1999,
VOL.17th,dailbunsatsu, PAGE.43-44, FIG.4, REF.3

JOURNAL NUMBER: X0008AAR

UNIVERSAL DECIMAL CLASSIFICATION: 007.52:681.52 681.89

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

Possibility of Detecting the Shape of a Reflecting Object. A mobile robot sonar ring sensor system measuring the bearing angle to the reflecting point. The 6th rep.

11/3,K/6 (Item 2 from file: 94)

DIALOG(R)File 94: JICST-EPlus

(c) 2003 Japan Science and Tech Corp(JST). All rts. reserv.

01431084 JICST ACCESSION NUMBER: 91A0835629 FILE SEGMENT: JICST-E

Parallel3-D Measurement System for Robot Vision.

KAMA KEISUKE (1)

(1) Tohoku Univ.

Tohoku Daigaku Dentsu Danwakai Kiroku(Record of Electrical and
Communication Engineering Conversazione, Tohoku University), 1991,
VOL.60,NO.1, PAGE.145-146, FIG.5

JOURNAL NUMBER: F0511AAU ISSN NO: 0385-7719

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3 007.52

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

ABSTRACT: This paper presents a 3-D measurement system for **robot** vision using structured light. In robotics, there needs 3-D **object** measurement to **recognize** the environmental information. In order to perform high-speed **measurement**, the use of multi-spot **projection** is proposed for the stereo vision. By the restriction of the object range, the correspondence...

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  (c) 1999 AAAS
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  (c) 2003 FIZ TECHNIK
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  (c) 2003 The Gale Group
File 16:Gale Group PROMT(R) 1990-2003/May 09
  (c) 2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
  (c) 1999 The Gale Group

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S1	2156544	COMPUTERI? OR AUTOMAT?? OR (REMOTE?? OR CENTRAL?? OR AUTOMATIC OR ELECTRONIC?)()CONTROL? OR ROBOT?? OR SERVO? ? OR SERVOMECH? OR PROGRAMMED OR CYBERNETIC? ?
S2	8155969	SENS?R? ? OR DETECT??? OR SENSE OR PERCEIV??? OR RECOGNI? - OR DISTINGUISH??? OR FIND???
S3	13200271	TARGET?? OR OBJECT??? OR GOAL? ? OR CENTER? ? OR FOCUS?? OR FOCI OR DESTINATION? ? OR AIM OR AIMS OR MARK? ?
S4	1275660	ANGLE? ? OR CORNER? ? OR PROJECTION? ? OR SALIENT? ?
S5	5464268	MEASUR? OR TRIANGULAT? OR GAUG??? OR MENSURAT??? OR CALCULAT??? OR COMPUTE OR SURVEY???
S6	267609	S2 (5N) S3
S7	23121	S4 (5N) S5
S8	7	S1 (10N) (S6 (10N) S7)
S9	5	S8 NOT PY>1999
S10	5	S9 NOT PD=19990116:20030630
S11	4	RD (unique items)

11/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00973617 96-23010
Tom Edison would be astonished
Keenan, Tim
Ward's Auto World v30n11 PP: 59-60 Nov 1994
ISSN: 0043-0315 JRNL CODE: WAW
WORD COUNT: 614

...TEXT: is required in Germany. Designed for use with halogen as well as future lighting systems, **automatic** aim control uses ultrasonic **sensors** at the front and rear of the vehicle to **measure** the **angle** between the car body and the road. It then adjusts the headlights' vertical aim, directing...

11/3,K/2 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01029352 Supplier Number: 39910808 (USE FORMAT 7 FOR FULLTEXT)
HEIDENHAIN'S WESTEC EXHIBIT TO FEATURE NEW PRODUCTS FOR MACHINE TOOL
POSITIONING, MEASUREMENT AND CONTROL.
PR Newswire, pN/A
Dec 16, 1986
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 486

... encoders with integral couplings,
- an unusually compact 17-bit absolute rotary encoder for higher accuracy **angle** **measuring** applications,
- a new incremental linear encoder with distance-coded reference **marks** to facilitate **automatic** datum **finding** on numerically-controlled machines, and
- a push-rod type, sealed incremental linear encoder of high...

11/3,K/3 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2003 FIZ TECHNIK. All rts. reserv.

01069314 I97022737259
Attributed scattering centers for SAR ATR
(Streuzentren fuer die automatische Zielerkennung bei Radar mit synthetischer Apertur)
Potter, LC; Moses, RL
Dept. of Electr. Eng., Ohio State Univ., Columbus, OH, USA
IEEE Transactions on Image Processing, v6, n1, pp79-91, 1997
Document type: journal article Language: English
Record type: Abstract
ISSN: 1057-7149

IDENTIFIERS: GEOMETRICAL THEORY OF DIFFRACTION; RADAR TARGET RECOGNITION ; ATTRIBUTED SCATTERING CENTERS ; SAR ATR; HIGH FREQUENCY RADAR MEASUREMENTS ; MAN MADE TARGETS; CORNERS ; FLAT PLATES; SIGNAL REPRESENTATION; AUTOMATIC TARGET RECOGNITION ; PARAMETRIC MODELS; RADAR RETURNS; SCATTERING BEHAVIOUR; STATISTICALLY ROBUST ESTIMATION; POLARIZATION RESPONSE; M ARY GENERALIZED LIKELIHOOD...

11/3,K/4 (Item 2 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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00605219 M92093927626

Zmanjsanje nedolocnosti lege in usmerjenosti predmeta v prijemalu robota
(Unbestimmtheitsminderung der Lage und Orientierung des Objektes in den
Robotergriffarm)

(Reducing uncertainty in position and orientation of object in robot
gripper)

Dolensek, S

Fak. za elektrotehniko, Ljubljana, Slovenia

Strojniski Vestnik, v38, n4-6, pp99-111, 1992

Document type: journal article Language: Slovene

Record type: Abstract

ISSN: 0039-2480

DESCRIPTORS: GRIPPING ARMS; GRIPPER CONTROL SYSTEMS; INDUSTRIAL ROBOTS ;
HORIZONTAL MEASUREMENT; DIRECTION; OBJECT RECOGNITION ; POSITION
INDICATORS; MEASURING FEELERS; MECHANICAL SENSING; TORQUE; SWING ANGLE ;
INERTIAL MOMENTS; VECTORS; LARGE SCALE MODEL; LOADABILITY; LOAD...